

HEAT-SHRINKABLE FILM AND MANUFACTURE THEREOF

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JAPIO Class:

- 14.2 (ORGANIC CHEMISTRY--- High Polymer Molecular Compounds)
- 30.9 (MISCELLANEOUS GOODS--- Other)
- 31.1 (PACKAGING--- General)

JAPIO Keywords:

- R041 (CHEMISTRY--- Decomposable Plastics)

Abstract:

PURPOSE: To provide heat-shrinkable film made mainly of the mixture of poly-lactic acid and poly-caprolactum having biodegradability in the natural environment and its manufacturing method.

CONSTITUTION: The heat-shrinkable film made mainly of the mixture of poly-lactic acid and poly-caprolactum and having at least 20% of unidirectional shrinkage factor after one-minute immersion in a hot water bath having the temperature of 90 deg.C is manufactured by producing undrawn film made mainly of poly-lactic acid and poly-caprolactum and then stretching the undrawn film at least unidirectionally 200-500% at 90 deg.C or lower.